

From: "Coffey, Scott" <CoffeySE@cdmsmith.com>
To: "Sheldrake, Sean" <sheldrake.sean@epa.gov>
CC: "Zhen, Davis" <Zhen.Davis@epa.gov>
dnor461@ecy.wa.gov
"Gustavson, Karl" <Gustavson.Karl@epa.gov>
younghs@cdmsmith.com
"Greazel, Andrew" <GreazelAD@cdmsmith.com>
Date: 4/10/2018 9:22:34 AM
Subject: RE: Sediment Trap Design - Response to Comments, (sf2)

The tricky thing that Dale's questions reopen with the Pre-RD Group is this discussion over data uses. He's spot on to question what the end data uses are for properly designing the Sed. Traps. Normally that's not something so highly contested, but history has shown this is a sticky issue with this Group. As you recall EPA never really resolved data use objectives with the Pre-RD Group and we agreed to move forward with somewhat general/open statements on data uses made in the Work Plan. Data use objectives will be just as difficult to resolve under this focused Sed. trap design.

After I get your feedback on this email, I'll give Dale a call to give him the backstory on the data use objective issues and let him know EPA's data use objective for the sed. traps (pulled from EPA's baseline plan) including that we believe they are only one of several lines of evidence for evaluating natural recovery rates. With this information, we'll see if this changes his recommendations for design. It probably won't.

I think the next question to answer is if this issue is something EPA is ready to go into dispute over?

Scott

From: Sheldrake, Sean <sheldrake.sean@epa.gov>
Sent: Tuesday, April 10, 2018 8:00 AM
To: Coffey, Scott <CoffeySE@cdmsmith.com>
Cc: Zhen, Davis <Zhen.Davis@epa.gov>; dnor461@ecy.wa.gov; Gustavson, Karl <Gustavson.Karl@epa.gov>
Subject: FW: Sediment Trap Design - Response to Comments, (sf2)

Dale, thank you very much for this feedback!

Scott, could you give Dale a ring to work through things (with Davis if he's interested), if needed this week? I can help next.

Thank you.

S

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From: Norton, Dale (ECY) [<mailto:dnor461@ECY.WA.GOV>]
Sent: Monday, April 9, 2018 1:39 PM
To: Sheldrake, Sean <sheldrake.sean@epa.gov>
Cc: Zhen, Davis <Zhen.Davis@epa.gov>; Scott Coffey <coffeyse@cdmsmith.com>; Gustavson, Karl <Gustavson.Karl@epa.gov>; NOVAK Madi <Madi.NOVAK@state.or.us>
Subject: RE: Sediment Trap Design - Response to Comments, (sf)

Sean

Here is some quick thoughts. Without spending more time reviewing the study plan I do not fully understand the goals of this work therefore it is a bit difficult to assess how this monitoring addresses project goals.

- If this monitoring is going to be conducted for an extended period of time I would encourage the project team to think through how the data is going to be used in the future. If the plan is to assess areas for natural recovery then it seems like being able to calculate a flux rate is important. If you know the flux into the traps (gross sedimentation) that can be compared to sediment core data (net sedimentation) to figure out things like resuspension. Understanding resuspension rates will help evaluate whether the traps are collecting new material or just bottom sediments that are being re-suspended. I don't think a very defensible answer is to say we will figure that out later. Any data collection effort should have a goal of how the information will be used.
- Attaching a few older articles concerning evaluation of trap designs that might be of use.
- When you say the traps have been used successfully in other projects I am not sure how you are measuring success? Were any of the project goals compromised due to how the data was collected?

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From: Sheldrake, Sean [<mailto:sheldrake.sean@epa.gov>]

Sent: Thursday, April 05, 2018 12:29 PM

To: Norton, Dale (ECY) <dnor461@ECY.WA.GOV>

Cc: Zhen, Davis <Zhen.Davis@epa.gov>; Scott Coffey <coffeyse@cdmsmith.com>; Gustavson, Karl <Gustavson.Karl@epa.gov>; NOVAK Madi <Madi.NOVAK@state.or.us>

Subject: FW: Sediment Trap Design - Response to Comments, (sf)

Hello Dale,

Sorry to bother you again on this. Anyway, this group wasn't as impressed as I was with all of your very helpful comments (they did agree to at least one, which is the right direction). If you have time, could you pencil out some responses to these that we could use (or I could ask CDM to call you and you could dictate responses, whatever is easiest for our sed trap expert!). We may also want to invite you to be on a call next week, again only if you have time and interest. If they go to dispute, I will be recommending to the dispute official that they talk to you before rendering an opinion.

We very much value your opinion in getting us to the best available method to meet our DQOs, vs. what these guys are onto which is let's just repeat how things were done during the RI at Portland Harbor.

Thank you.

S

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